

Wellington Water Projects

**Wellington Drinking Water
Recharge System**

Village of Wellington

December 11, 2015

2016 Florida House Water Project Funding

Water Project Application Form

Preview after Data Entry. Form cannot be edited.

Num	Field	Data Entered
1	Sponsor	Powell
2	Proj Title	Wellington Drinking Water Recharge System
3	Recipient	Village of Wellington
4	County	Palm Beach
5	Contact	Michael O'Dell
6	Contact Add	12300 Forest Hill Blvd. Wellington, FL 33414
7	Contact Phone	(561) 753-2532
8	Contact Email	modell@wellingtonfl.gov
9	Proj Description	Design and Permitting of raw water well recharge reservoir system to provide additional potable water per day through groundwater recharge.
10	Statewide Goal	Alternative Water Supply
11	Project Addressed in Plan?	Yes
12	Plan Name	Lower East Coast Water Supply Plan (Pgs. 41-42)
13	Proj Cost	\$300,000
14	Amt Requested	\$250,000
15	Local Match Amt	\$50,000
16	Type of Match Pledged	Cash
17	In-Kind Match Description	Funding from ACME Capital Improvement Budget
18	Financially Disadvantaged?	No
19	Population Economic Status?	N/A
20	Proj Previously Funded?	No
21	Type of State Funding	
22	Fiscal Year	
23	Amt	\$0
24	Future Funding Requested?	No
25	Future Funding Date	
26	Applied for Alternative Funding?	No
27	If not, why not?	Planning and design not complete
28	Revenue Sources for Ongoing Operating Expenses?	Wellington/ACME Special District Operating Budget
29	Local Approval for the use of Identified Operating Funds?	Yes
30	Status of Planning	Not Ready
31	Status % Complete	50%
32	Est Completion Date	7/1/2016
33	Status of Design	Not Ready
34	Design % Complete	0%
35	Est Design Completion Date	8/1/2017
36	Identify Required Permits	Municipal, County, SFWMD
37	Status of Permitting	Planned
38	Status of Construction	Not Ready
39	Construction % Complete	0%
40	Est Construction Completion Date	8/1/2018

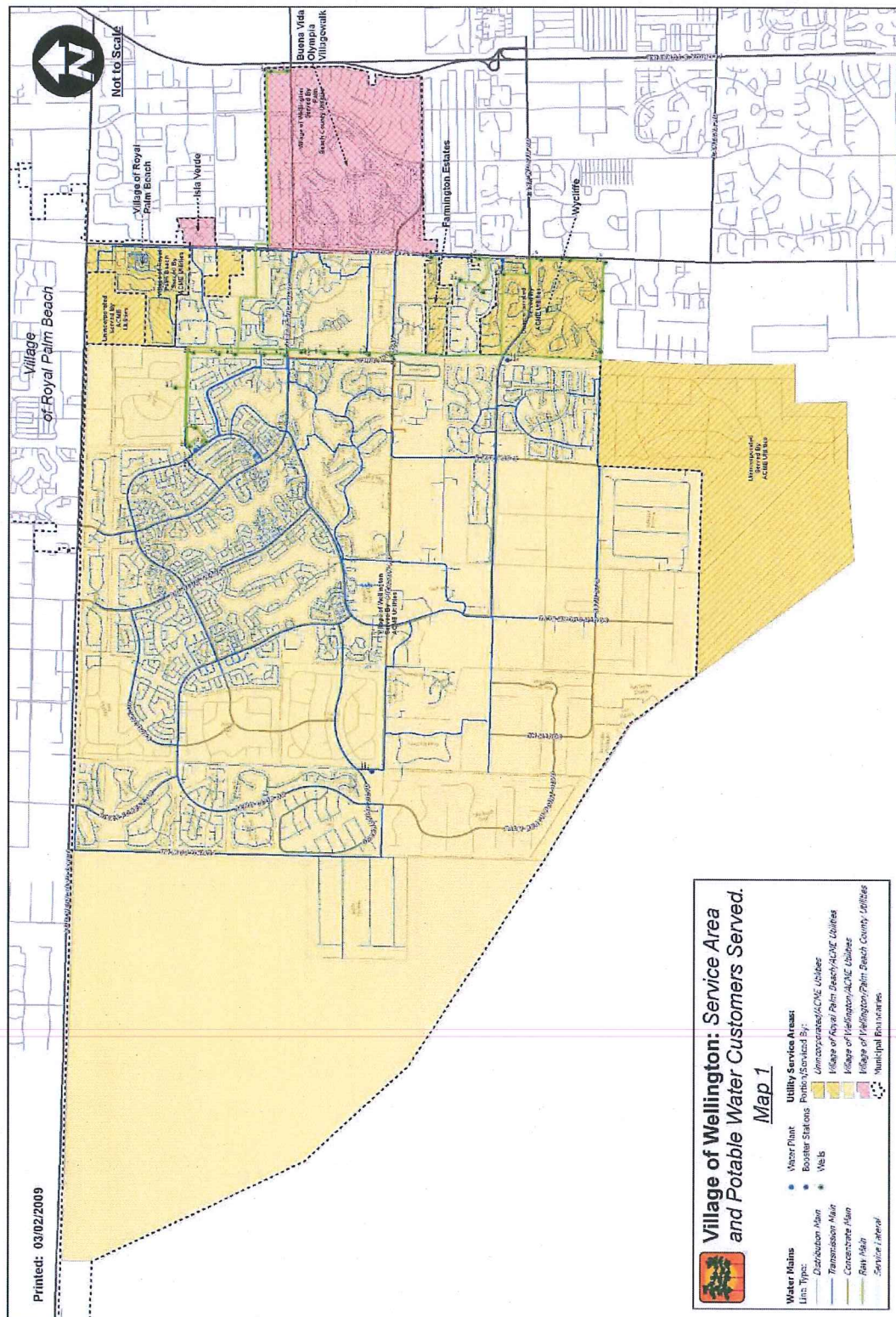
Village of Wellington Raw Water Well Recharge

Wellington has identified the C-8 canal as a retention area for ground water recharge. This Village owned canal is adjacent to a portion of the Village's raw water wells and is intended to provide the long range potable water supply needs for the Village and the Acme Service Area.

Linking this retention site with the C-51 Reservoir Project for water supply would allow for an additional 1 million gallons per day (365 million gallons per year) for groundwater recharge with the ultimate goal of the water to become drinking water. The project will provide 0.75 million gallons of potable water per day for Wellington. This alternative water supply project is a regional cooperative collaboration between many communities in Palm Beach, Dade, and Broward Counties.

The project consists of improvements creating a reservoir and maintaining storm water conveyance. The Village would modify its surface water system located within the limits of the C-8 canal by constructing a 10 CFS pump and adding 4 new water control gates. The new pump station would draw waters received from the C-51 Reservoir Project via the C-51 canal and pump it into the Village's C-8 canal. The 4 water control structures will be located at existing culvert connections isolating a 2 mile stretch of canal which is adjacent to one of the Village's well fields.

The Village is requesting \$250,000.00 in grant monies for the design and permitting of this raw water well recharge reservoir system. The project would include permitting for the 4 water control structures and pump station, ground water modeling of the two-mile canal and the participation in the cooperative collaboration in the C-51 Reservoir Project. The estimated probable cost of construction for the system is \$5.8 million dollars.



Map 2: Water Distribution within the Village of Wellington

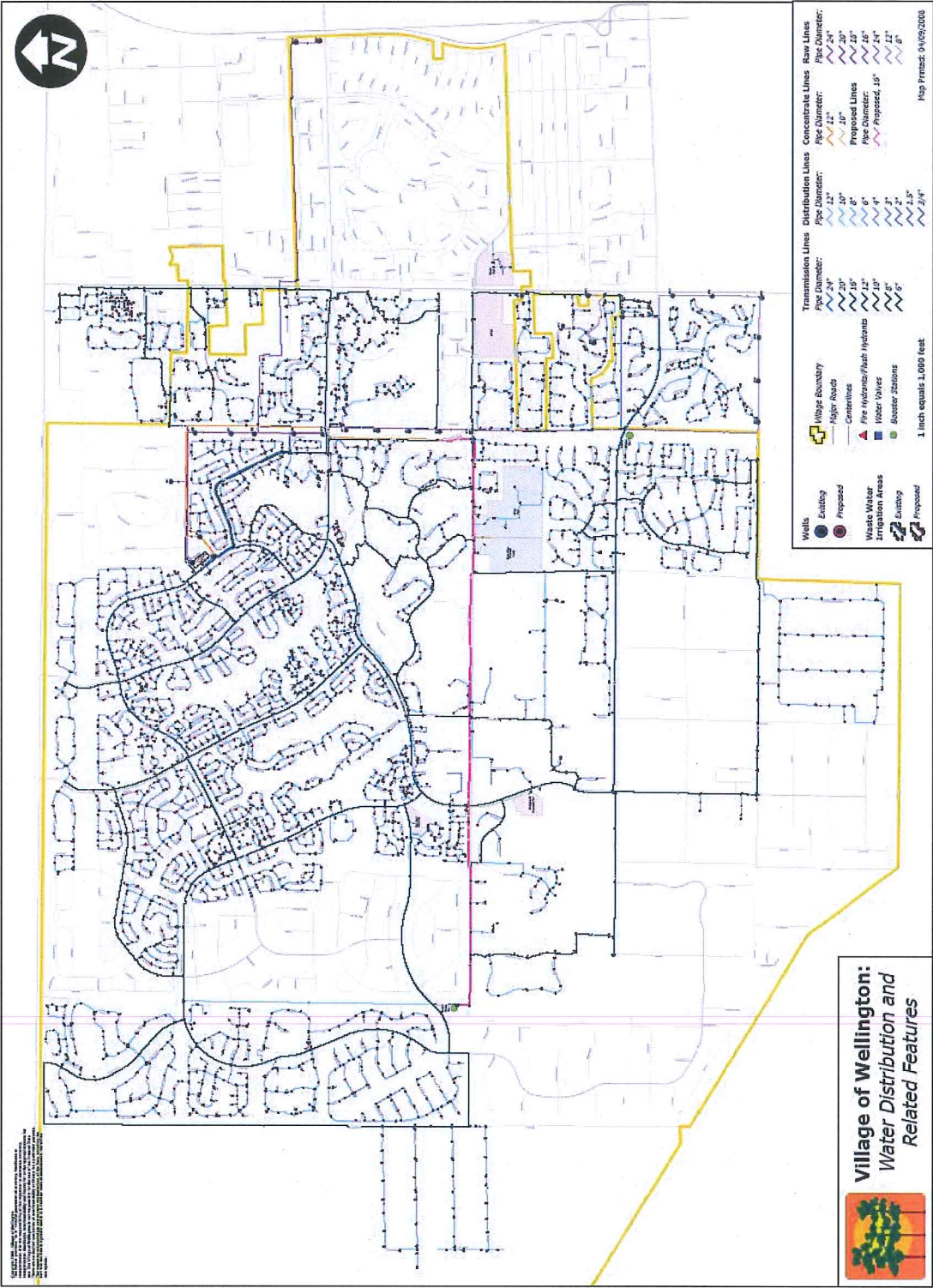


Exhibit "A"

Tabulation of population served by public Wellington water system

VILLAGE OF WELLINGTON, FLORIDA

UTILITY DEPARTMENT

TABULATION OF POPULATION SERVED BY WATER SYSTEM

6-Apr-09

HISTORICAL DATA

PERSONS PER DWELLING UNIT

2.95

A	B	C	D	E = B-C-D	F	G	H = F + G	I = E + H
YEAR	TOTAL POPULATION W/IN VOW CORPORATE BOUNDARIES	POPULATION W/IN VOW CORPORATE BOUNDARIES SERVED BY PRIVATE POTABLE WELLS	POPULATION W/IN VOW CORPORATE BOUNDARIES SERVED BY PALM BEACH COUNTY WATER UTILITY DEPT.	TOTAL ESTIMATED POPULATION W/IN VOW CORPORATE BOUNDARY SERVED BY VOW PUBLIC WATER SYSTEM	POPULATION W/IN VILLAGE OF ROYAL PALM BEACH SERVED BY VOW PUBLIC WATER SYSTEM	POPULATION W/IN UNINCORPORATED PALM BEACH COUNTY SERVED BY VOW PUBLIC WATER SYSTEM	TOTAL ESTIMATED POPULATION OUTSIDE VOW CORPORATE BOUNDARY SERVED BY VOW PUBLIC WATER SYSTEM	TOTAL ESTIMATED POPULATION SERVED BY VOW PUBLIC WATER SYSTEM
2001	41,200	1,623	41	39,536	0	3,086	3,086	42,622
2002	43,896	1,741	1,690	40,465	1,472	3,266	4,738	45,203
2003	46,864	1,829	3,761	41,274	1,672	3,447	5,119	46,393
2004	50,202	2,036	5,776	42,470	1,872	3,628	5,500	47,970
2005	53,294	2,360	6,079	44,855	2,072	3,809	5,881	50,736
2006	57,202	2,537	6,383	48,282	2,273	3,990	6,262	54,544
AVG.								

PROJECTED DATA

A	B	C	D	E = B-C-D	F	G	H = F + G	I = E + H
YEAR	TOTAL POPULATION W/IN VOW CORPORATE BOUNDARIES	POPULATION W/IN VOW CORPORATE BOUNDARIES SERVED BY PRIVATE POTABLE WELLS	POPULATION W/IN VOW CORPORATE BOUNDARIES SERVED BY PALM BEACH COUNTY WATER UTILITIES	TOTAL ESTIMATED POPULATION W/IN VOW CORPORATE BOUNDARY SERVED BY VOW PUBLIC WATER SYSTEM	POPULATION W/IN VILLAGE OF ROYAL PALM BEACH SERVED BY VOW PUBLIC WATER SYSTEM	POPULATION W/IN UNINCORPORATED PALM BEACH COUNTY SERVED BY VOW PUBLIC WATER SYSTEM	TOTAL ESTIMATED POPULATION OUTSIDE VOW CORPORATE BOUNDARY SERVED BY VOW PUBLIC WATER SYSTEM	TOTAL ESTIMATED POPULATION SERVED BY VOW PUBLIC WATER SYSTEM
2007	58,179	2,602	7,293	48,284	2,473	4,170	6,643	54,927
2008	59,083	2,610	7,685	48,808	2,673	4,351	7,024	55,832
2009	59,987	2,610	8,038	49,339	2,675	4,360	7,035	56,374
2010	60,891	2,610	8,410	49,871	2,750	4,553	7,303	57,174
2011	61,795	2,610	8,572	50,613	2,825	4,745	7,570	58,184
2012	62,699	2,610	8,733	51,356	2,900	4,938	7,838	59,194
2013	62,870	2,610	8,885	51,365	2,975	5,130	8,106	59,471
2014	63,040	2,610	9,056	51,374	3,051	5,323	8,373	59,747
2015	63,210	2,610	9,218	51,382	3,126	5,515	8,641	60,023
2016	63,357	2,610	9,321	51,426	3,201	5,708	8,909	60,335
2017	63,505	2,610	9,425	51,470	3,276	5,901	9,176	60,646
2018	63,652	2,610	9,528	51,514	3,351	6,093	9,444	60,958
2019	63,799	2,610	9,632	51,557	3,426	6,286	9,712	61,269
2020	63,877	2,610	9,735	51,532	3,501	6,478	9,980	61,512

NOTES:

HISTORICAL DATA

COLUMN B - HISTORICAL TOTAL POPULATION FIGURES TAKEN FROM VOW 2007 APPROVED EAR

COLUMN C - FROM VOW BUILDING DEPARTMENT RECORDS

COLUMN D - FROM VOW AND PALM BEACH COUNTY BUILDING DEPARTMENT RECORDS

COLUMN F - FROM VOW AND VILLAGE OF ROYAL PALM BEACH BUILDING DEPARTMENT RECORDS

COLUMN G - FROM VOW AND PALM BEACH COUNTY BUILDING DEPARTMENT RECORDS

PROJECTED DATA

COLUMN B - PROJECTED TOTAL POPULATION FIGURES TAKEN FROM VOW 2007 APPROVED EAR

COLUMN C - ASSUMES POPULATION SERVED BY PRIVATE WELLS REMAINS CONSTANT

COLUMN D - FROM VOW AND PALM BEACH COUNTY PROJECTIONS BASED ON APPROVED DEVELOPMENT PLANS

COLUMN F - FROM VILLAGE OF ROYAL PALM BEACH PROJECTIONS BASED ON APPROVED DEVELOPMENT PLANS

COLUMN G - FROM PALM BEACH COUNTY PROJECTIONS BASED ON APPROVED DEVELOPMENT PLANS